

2025 Spring AAE Classes

Course number	Course name	Area	Instructor
20000	Undergraduate Sophomore Seminar		Marais
20300	Aeromechanics I		1 section
20400	Aeromechanics II		4 sections
20401	Aeromechanics II Laboratory		Zhang
25100	Introduction to Aerospace Design		3 sections
30000	Undergraduate Junior Seminar		Marais
30100	Signal Analysis for Aerospace Engineering		2 sections
33300	Fluid Mechanics		1 section
33301	Fluid Mechanics Laboratory		Bane
33400	Aerodynamics		2 sections
33401	Aerodynamics Laboratory		Bane
33800	Thermal Sciences		Wang
33900	Aerospace Propulsion		3 sections
34000	Dynamics and Vibrations		3 sections
35200	Structural Analysis I		2 sections
35201	Structural Analysis I Laboratory		Zhang
36400	Control Systems Analysis		3 sections
36401	Control Systems Laboratory		Frazho
40000	Undergraduate Senior Seminar		Crossley
41800	Zero-Gravity Flight Experiment	Design Aerodynamics	Collicott 2 sections
42100	Flight Dynamics and Control		2 sections
43800	Air-Breathing Propulsion	Propulsion	Slabaugh
44000	Spacecraft Attitude Dynamics		Howell
45000	Spacecraft Design		2 sections
45100A	Aircraft Design		2 sections
49000OA	Orbital Analysis	ASA	1 section
51200	Computational Aerodynamics	Aerodynamics	Shih
51400	Intermediate Aerodynamics	Aerodynamics	Bane
52000	Experimental Aerodynamics	Aerodynamics	Jewell
52100	Plasma Laboratory	Aerodynamics/Propulsion	Shashurin
52300	Introduction to Remote Sensing	ASA/Design	Garrison
53500	Propulsion Design, Build, Test Requires Instructor Permission	Propulsion	Pourpoint
53900	Advanced Rocket Propulsion	Propulsion	1 Section
54600	Aerospace Structural Dynamics and Stability	Structures	1 Section
55200	Nondestructive Evaluation of Structures and Materials	Structures	Tallman
55500	Mechanics of Composite Materials	Structures	Yu
56700	Introduction to Applied Stochastic Processes	A & C	Frazho
56800	Applied Optimal Control and Estimation	A & C	Hwang
59000CD	Design of Composite Materials and Structures	Structures	Zhang
59000NEH	Non-Equilibrium Hypersonic Flow	Aerodynamics	Poggie
59000 ACA	Appl Control in Astronautics	ASA	Oguri
59000 AHF	Aerospace Human Factors	Design	Caldwell
59000 DSMM	Data Science in Mechanics of Materials	Structures	Tomar
59000 MAAC	Multi-Agent Autonomy and Control	A & C	Mou
59000 MAV	Modern Vehicle Avionics	A & C	Li
59000 SC	Satellite Constellations	ASA	Arnas
59000 SMO	Surrogate Methods	Design	Leifsson